

**IONIC MEMBRANES FOR ORGANIC SULFUR SEPARATION FROM**  
**LIQUID HYDROCARBON SOLUTIONS**

**ABSTRACT**

Methods for the separation of sulfur compounds from a hydrocarbon mixture using an ionic membrane are provided. Preferred ionic membranes are Nafion®-type (polymers of perfluorosulfonic acid) membranes and derivatives thereof. Preferred applications include the removal of sulfur contaminants from light cracked naphthas.

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